## **Claims**

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- 1. A sensor comprising at least first and second electrodes and a **vol**ume therebetween for receiving a liquid sample, and which includes an agent that lyses cells, wherein the lysing agent is in or on the surface of the first electrode.
- 2. A sensor according to claim 1, which also comprises an enzyme of which glucose is a substrate.
- 3. A sensor according to either preceding claim, which also comprises a spreading layer over at least the first electrode.
  - 4. A sensor according to any preceding claim, wherein the lysing agent is comprised in a layer applied onto the first electrode.
  - 5. A sensor according to claim 4, wherein an enzyme and/or a mediator are applied in one or more additional layers on the first electrode.
- 15 6. A sensor according to any of claims 1 to 3, wherein the lysing agent is comprised in the first electrode.
  - 7. A sensor according to claim 6, wherein the first electrode comprises a carbon layer and, on top thereof, a carbon layer including the lysing agent.
- 8. A sensor according to any preceding claim, wherein the lysing agent lyses red blood cells.